

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: May 28, 1996

Date Received: May 24, 1996

Project: 7238, Paint Stripping Debris, PO #M53431

Date Samples Extracted: May 28, 1996

Date Extracts Analyzed: May 28, 1996

**RESULTS FROM THE ANALYSIS OF THE SANDBLAST SAMPLE  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

**Samples Processed Using Method 3050**  
Results Reported as  $\mu\text{g/g}$  (ppm)

<u>Sample ID</u>	<u>M53431</u>	<u>Method Blank</u>
Analyte:		
Arsenic	16	<2
Barium	16	<5
Cadmium	6	<1
Chromium	130	<1
Lead	1,500	<2
Selenium	<2	<2
Silver	<1	<1

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### QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 69220 (Duplicate)

Analyte:	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference
Arsenic	ug/g (ppm)	16	18	12
Barium	ug/g (ppm)	16	11	37a
Cadmium	ug/g (ppm)	6	8	29
Chromium	ug/g (ppm)	130	160	21
Lead	ug/g (ppm)	1500	1600	6
Selenium	ug/g (ppm)	<2	<2	nm
Silver	ug/g (ppm)	<1	<1	nm

Laboratory Code: Spike Blank

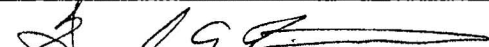
Analyte:	Reporting Units	Spike Level	% Recovery		Acceptance Criteria	Relative Percent Difference
			MS	MSD		
Arsenic	ug/g (ppm)	100	97	94	80-120	3
Barium	ug/g (ppm)	50	102	105	80-120	3
Cadmium	ug/g (ppm)	50	101	100	80-120	1
Chromium	ug/g (ppm)	50	103	101	80-120	2
Lead	ug/g (ppm)	100	103	103	80-120	0
Selenium	ug/g (ppm)	100	94	97	80-120	3
Silver	ug/g (ppm)	20	93	97	50-150	4

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.



a - The analyte was detected at a level less than five times the detection limit. The RPD results may not provide reliable information on the variability of the analysis.

KNJ I  
5.24.96  
9100

Send Report To: Alaskan Copper Works Contact GERALD Thompson  
 Company 628 Harbor E  
 Address Seattle WA 98134  
 City, State, Zip (206) 382-8579  
 Phone # 5/24/96  
 Date

SITE NO.		PROJECT NAME		PURCHASE ORDER #	
7238		Paint Stripping Debris		m53431	
SAMPLERS (signature)				PROJECT LOCATION	
					
REMARKS				SAMPLE DISPOSAL INFORMATION	
				<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions	

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	Gerald A. Thompson	A. C. W	5/24/86	8:40
Received by: 	Cathy Downing	FBI	5/24/86	8:40
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3012 16th Avenue West  
Seattle, WA 98119-2029  
FAX: (206) 283-5044

May 28, 1996

Gerald Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Ms. Thompson:

Enclosed are the results from the testing of material submitted on May 24, 1996 from your 7238, Paint Stripping Debris, PO #M53431 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kurt Johnson  
Chemist

keh  
Enclosures  
ACU0528R.DOC